

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of : Customer Number: 53080  
Yasuhiro SHIMADA, et al. : Confirmation Number: Not Yet Assigned  
Application No.: 10/589,724 : Group Art Unit: Not Yet Assigned  
Filed: August 17, 2006 : Examiner: Not Yet Assigned  
:  
For: INFRARED DETECTOR AND PROCESS FOR FABRICATING THE SAME

**REQUEST FOR FILING RECEIPT**

Mail Stop OFR  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

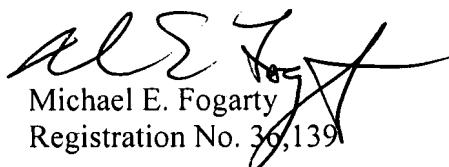
Sir:

The above-referenced patent application was filed in the U.S. Patent and Trademark Office on August 17, 2006, as evidenced by the attached copies of the return receipt postcard and Transmittal Letter. To date, the undersigned has not received an Official Filing Receipt regarding this application.

It is respectfully requested that the undersigned be furnished with an Official Filing Receipt as soon as possible.

Respectfully submitted,

McDERMOTT WILL & EMERY LLP



Michael E. Fogarty  
Registration No. 36,139

600 13<sup>th</sup> Street, N.W.  
Washington, DC 20005-3096  
Phone: 202.756.8000 MEF:ln  
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**Date: August 27, 2007**

**Please recognize our Customer No. 53080  
as our correspondence address.**

Applicant: Yasuhiro SHIMADA, et al.Docket No. 067471-0123Serial No. Not Yet AssignedTitle: INFRARED DETECTOR AND PROCESS FOR FABRICATING THE SAME

Patent No. \_\_\_\_\_

Date Sent: 8/17/2006  Hand Carried  Fax  Electronic  Cert. of Mailing  1st Class Mail Express Mail No. \_\_\_\_\_ Transmittal Letter New Patent App  Utility  Design  Cont.  CIP  Div.  PCT  RCE  Prov Other: \_\_\_\_\_ Letter submitting \_\_\_\_\_ pages of drawings

26 pages of Specification

 Req. for Approval of Drawing Amendments

7 pages of Claims

 Req. for Oral Hearing

1 pages of Abstract

 Notl. of Appeal  Appeal Brief  Reply Brief

9 pages of Formal Drawings

 Rule 312 Amendment/Letter Small Entity  Large Entity Req. for Acknowledgement of Cited Art Declaration/Power of Attorney Issue Fee Recordation of Assignment/Security Agreement Publication Fee Information Disclosure Statement Req. for Certificate of Correction

1 Form PTO 1449

 Copy of International Published Application

7 References attached

 International Search Report \_\_\_\_\_ Preliminary Amendment PCT Request Response to Missing Parts Notice Forms PCT/IB/301 and 308 (first and second notices) Resp. to Notice to Correct App. Papers PCT/ISA/210 Certified Copy of Priority Doc. 1 sheet each of Annotated and Replacement Drawing Claim for Convention Priority Response/Amendment to Office Action of \_\_\_\_\_ Request for \_\_\_\_\_ month Extension of Time**10/589724**

Check for	\$	<input checked="" type="checkbox"/> Charge Deposit Acct.	\$ 1280.00	Atty Init.	MEF	Tkpr. #	3328	Secy. or PL:	AMcClure
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CMS Descrip.: 1-300.00 31-400.00 32-200.003-250.00 5-130.00**EARLY SERIAL NUMBER**

THE PATENT AND TRADEMARK OFFICE DATE STAMPED HEREON IS ACKNOWLEDGEMENT THAT THE ITEMS, CHECKED ABOVE, WERE RECEIVED BY THE PTO ON THE DATE STAMPED.

**IAP15 Rec'd PCT/PTO 17 AUG 2006**

067471-0123

**TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371**

U.S. APPLIC. NO. (if known, see 37 CFR 1.5)  
Not Yet Assigned

INTERNATIONAL APPLICATION NO  
PCT/JP2004/001706

INTERNATIONAL FILING DATE  
February 17, 2004

PRIORITY DATE CLAIMED  
February 17, 2004

**TITLE OF INVENTION**  
**INFRARED DETECTOR AND PROCESS FOR FABRICATING THE SAME**

**APPLICANTS FOR DO/EO/US**

Yasuhiro SHIMADA, Daisuke UEDA

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1.  This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2.  This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3.  This express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4.  The US has been elected (Article 31).
5.  A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a.  is attached herewith (required only if not transmitted by the International Bureau).
  - b.  has been communicated by the International Bureau.
  - c.  is not required, as the application was filed in the United States Receiving Office (RO/US)
6.  An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
7.  Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - a.  are attached hereto (required only if not transmitted by the International Bureau).
  - b.  have been communicated by the International Bureau.
  - c.  have not been made; however, the time limit for making such amendment has NOT expired.
  - d.  have not been made and will not be made.
8.  An English translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9.  An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10.  An English translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

**Items 11. to 16. below concern other document(s) or information included:**

11.  An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12.  An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13.  A preliminary amendment.
14.  An Application Data Sheet under 37 CFR 1.76.
15.  A substitute specification.
16.  A power of attorney and/or change of address letter.
17.  A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825.
18.  A second copy of the published International Application under 35 U.S.C. 154(d)(4).
19.  A second copy of the English translation of the International Application under 35 U.S.C. 154(d)(4).
20.  Other items or information.
  - 1) International Search Report
  - 2) International Published Application
  - 3) PCT/IB/301 and 308 (First and Second Notices)
  - 4) PCT Request
  - 5) PCT/ISA/210
  - 6) 1 sheet each of Annotated and Replacement Drawing

U.S. APPLIC. NO. (if known, see 37 CFR 1.50) Not Yet Assigned		INTERNATIONAL APPLICATION NO. PCT/JP2004/001706	ATTORNEY'S DOCKET NUMBER 067471-0123		
				CALCULATIONS	PTO USE ONLY
21. <input checked="" type="checkbox"/> The following fees are submitted:					
<input checked="" type="checkbox"/> Basic National Stage Fee				\$300	\$300.00
22. <input checked="" type="checkbox"/> Examination Fee If the written opinion prepared by ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)				\$0	
All other situations				\$200	\$200.00
23. <input checked="" type="checkbox"/> Search Fee (37CFR 1.492(b))					
If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)				\$0	
Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority				\$100	
International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB				\$400	
All other situations				\$500	
TOTAL OF 21, 22 and 23 =				\$900	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.				\$	
Total Sheets	Extra Sheets	Number of each additional 50 or fraction Thereof (round up to a whole number)	RATE		
43-100	7/50=	0	X\$250	\$0	
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				\$130.00	
CLAIMS		NUMBER FILED	NUMBER EXTRA	RATE	
Total Claims		25-20 =	5	x \$50.00	\$250.00
Independent Claims		3-3 =	0	x \$200.00	\$0
Multiple dependent claim(s) (if applicable)				+ \$360.00	\$0
TOTAL OF ABOVE CALCULATIONS =				\$1280.00	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.				\$	
				SUBTOTAL =	\$1280.00
Processing fee of \$130.00 for furnishing the English translation later than the 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				+	\$0
TOTAL NATIONAL FEE =				\$1280.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				+	\$
TOTAL FEES ENCLOSED =				\$1280.00	
				Amount to be refunded	\$
				Amount to be charged	\$1280.00
a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.					
b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>500417</u> in the amount of <u>\$1280.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed.					
c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>500417</u> . A duplicate copy of this sheet is enclosed.					
NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.					
SEND ALL CORRESPONDENCE TO: Customer Number 53080 Telephone: 202.756.8000 Facsimile: 202.756.8087			SIGNATURE <i>for</i> Michael E. Fogarty NAME 36,139	DATE #46,692 August 17, 2006	
			REGISTRATION NUMBER		